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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	THOMPSON
Sheet	1	of	1	Attorney Docket Number	SPLX.P0022

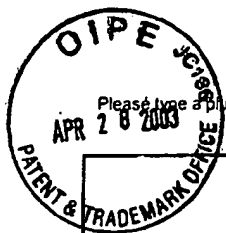
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2001/ 0003843	A1	Scepanovic et al.	06-14-01	
	2.	4,615,011		Linsker	09-30-86	
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	11.	5,532,934		Rostoker	07-02-96	
	12.	5,578,840		Scepanovic	11-26-96	
	13.	5,633,479		Hirano	05-27-97	
	14.	5,634,093		Ashida et al.	05-27-97	
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	20.	5,757,656		Hershberger et al.	05-26-98	
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	25.	5,898,597		Scepanovic et al.	04-27-99	

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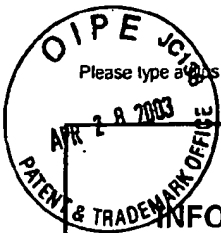
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<input checked="" type="checkbox"/>	51.	6,446,245	B1	Xing et al.	09-03-02	
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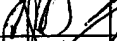
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				Group Art Unit	2825
				Examiner Name	<i>Hompson</i>
Sheet	3	of	3	Attorney Docket Number	SPLX.P0022

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Examiner* Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ¹	Kind Code (if known) ⁵				
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	56.	JP	04000677		Fujiwara et al.	01-1992		

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			Examiner Name	Thompson	
Sheet	4	of	4	Attorney Docket Number	SPLX.P0022

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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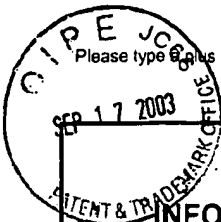
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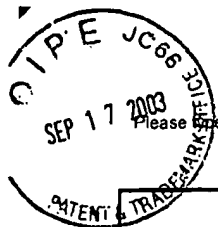
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U.S. PATENT DOCUMENTS					
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	1.	2003/0079193	12/07/2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/079193
	2.	2003/0018947	12/07/2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract
	3.	2002/0147958	10/19/2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03
	4.	2003/0063614	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract
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	7.	2002/0166105	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193
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	15.	2003/0115566	01/13/2002	Steven Teig	Continuation of 2003/0088844 per preliminary amendment

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U.S. PATENT DOCUMENTS					
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Substitute for form 1449A/PTO <div style="border: 2px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT SEP 29 2003 (use many sheets as necessary) </div> </div>		Application Number	10/040,915
		Filing Date	1/5/02
		First Named Inventor	Steven Teig
		Group Art Unit	<i>2826</i>
		Examiner Name	<i>THOMPSON</i>
Sheet 1 of 1	Attorney Docket Number	SPLX.P0022	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number			
	1.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0023943 S/N 10/040,954	01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0066042 S/N 10/040,963	01-05-2002	Steven Teig et al.	Previously specified
	4.	2002/0174412 S/N 10/041,942	01-07-2002	Steven Teig et al.	Previously specified
	5.	2003/0088844 S/N 10/041,957	01-07-2002	Steven Teig et al.	Previously specified
	6.	2002/0199165 S/N 10/046,864	01-13-2002	Steven Teig et al.	Previously specified
	7.	2003/0056187 S/N 10/047,982	01-14-2002	Steven Teig et al.	Previously specified
	8.	2002/0073390 S/N 09/737,210	12-13-2000	Steven Teig et al.	Previously specified
	9.	2002/0124231 S/N 09/739,580	12-15-2000	Steven Teig et al.	Previously specified
	10.	2003/0121015 S/N 09/745,067	12-19-2000	Steven Teig et al.	Previously specified
	11.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.	Previously Specified
	12.	2003/0088841 S/N 10/329,241	12-23-2002	Steven Teig et al.	Previously specified
	13.	2003/0088845 S/N 10/047,978	01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature	Date Considered <i>25 Oct 2004</i>
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Substitute for form 1449A/PTO				Application Number	10/040,915
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu Thompson
Sheet	1	of	7	Attorney Docket Number	SPLX.P0022

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009031	A1	07-19-2001	Nitta et al.
	2.	2002/0182844	A1	12-05-2002	Igarashi et al.
	3.	2003/0005399	A1	01-02-2003	Igarashi et al.
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STATEMENT BY APPLICANT**

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Sheet	2	of	7	Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu / HornPso
				Attorney Docket Number	SPLX.P0022

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Sheet

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of

7

Application Number

10/040,915

Filing Date

1/5/02

First Named Inventor

Steven Teig

Group Art Unit

2825

Examiner Name

A. Liu Thompson

Attorney Docket Number

SPLX.P0022

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known)				
	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	48.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	49.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	✓

Examiner Signature

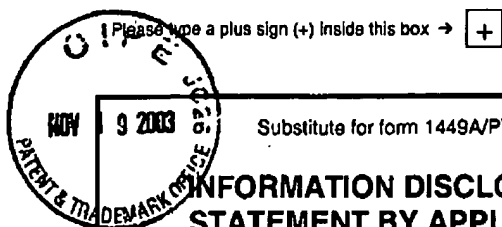
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu Thompson
Sheet	4	of	7	Attorney Docket Number	SPLX.P0022

FOREIGN PATENT DOCUMENTS							
						application.	
51.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
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Sheet

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First Named Inventor

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Group Art Unit

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Examiner Name

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Attorney Docket Number

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FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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Signature

Date
Considered

25-Oct-2004

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Sheet

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of

7

Application Number

10/040,915

Filing Date

1/5/02

First Named Inventor

Steven Teig

Group Art Unit

2825

Examiner Name

A. L. Thompson

Attorney Docket Number

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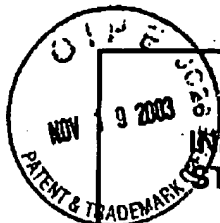
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Substitute for form 1449A/PTO				Application Number	10/040,915
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu Thompson
Sheet	7	of	7	Attorney Docket Number	SPLX.P0022

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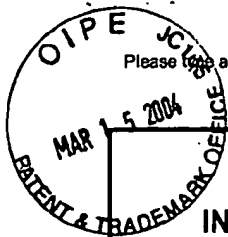
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U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No.	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2003/0121017	A1	06-26-2003	Andreev et al.	
	2.	6,088,519		07-11-2000	Koford	

NON PATENT LITERATURE DOCUMENTS			
Examiner* Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	3.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.	
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